

WHAT IS CLAIMED IS:

1. A headlamp for a motor vehicle, comprising a housing enclosing a light source, fixed on a chassis, which comprises means for connecting the housing to the
5 chassis, these means being deformable in a plastic way and capable of absorbing at least part of the energy of an impact on the headlamp.
2. The headlamp as claimed in claim 1, wherein the connecting means can operate by traction.
- 10 3. The headlamp as claimed in claim 2, wherein the connecting means comprise at least one lug for fixing the housing to the chassis, this lug being capable of stretching under the effect of an impact on the headlamp.
- 15 4. The headlamp as claimed in claim 3, wherein the lug comprises a perforated body extended at one end by a front part fixed to the chassis, and at the other end by a rear part fixed to the housing, the body being capable of stretching under the effect of traction
20 exerted on at least one of said parts.
5. The headlamp as claimed in claim 3, wherein the lug comprises a body, perforated or unperforated, having at least one local contraction of the cross section.
- 25 6. The headlamp as claimed in claim 4, wherein the perforations of the body are rectangular, square, of any polygonal or hexagonal shape, or diamond-shaped, or possibly circular or oval.
7. The headlamp as claimed in claim 3, wherein the
30 fixing lug has a corrugated central portion extended at one end by a front part fixed to the chassis), and at the other end by a front part fixed to the housing, the central portion being capable of stretching under the effect of traction exerted on at least one of said
35 parts.
8. The headlamp as claimed in claim 1, wherein the connecting means can operate by bending.
9. The headlamp as claimed in claim 6, wherein the connecting means comprise a lug for fixing the housing

to the chassis, this lug having a U-shaped profile and comprising two approximately parallel branches, one fixed to the housing and one to the chassis, linked by a curved portion, the lug being deformable by the displacement of the curved portion under the effect of an impact on the headlamp.

10. The headlamp as claimed in claim 1, wherein the connecting means can operate by compression.

11. The headlamp as claimed in claim 8, wherein the connecting means comprise a lug for fixing the housing to the chassis, this lug being compressible under the effect of an impact on the headlamp.

12. The headlamp as claimed in claim 9, wherein the fixing lug has a corrugated central portion extended at one end by a front part fixed to the housing, and at the other end by a rear part fixed to the chassis, the central portion being compressible under the effect of an impact on the headlamp.

13. The headlamp as claimed in claim 8, wherein the connecting means comprise a spacer interposed between the housing and the chassis.

14. The headlamp as claimed in claim 11, wherein the spacer is made from a compressible material.

15. The headlamp as claimed in claim 12, wherein the spacer is made from a foam.

16. The headlamp as claimed in claim 11, wherein the spacer comprises a cylindrical barrel having a first end pressed against the chassis and its opposite end extended in the form of a curved head by means of which the spacer presses against the housing.

17. The headlamp as claimed in claim 11, wherein the spacer is a functional component of the vehicle.

18. The headlamp as claimed in claim 15, wherein the spacer is an air filter.

19. The headlamp as claimed in claim 15, wherein the spacer is a windscreen washer reservoir.